

3. Technical Divemaster

3.1 *Introduction*

This program is designed to develop the skills and knowledge necessary for an individual to lead certified technical divers in the open water environment.

3.2 *Qualifications of Graduates*

Upon successful completion of this course, graduates may:

1. Assist an active TDI Instructor during approved diving courses provided the activities are similar to the graduate's prior training.
2. Supervise and conduct dives for certified technical divers provided the activities are similar to the graduate's prior training.
3. This program does not cover overhead environment with the exception of advanced wreck.

3.3 *Who May Teach*

Any active TDI Instructor may teach this program.

3.4 *Student to Instructor Ratio*

Academic:

1. Unlimited, so long as adequate facility, supplies and time are provided to ensure comprehensive and complete training of subject matter.

Confined Water (swimming pool-like conditions):

1. N/A.

Open Water (ocean, lake, quarry, spring, river, or estuary):

1. A maximum of 4 students per instructor.
2. It is the instructor's discretion to reduce this number as conditions dictate.

3.5 *Student Prerequisites*

1. Minimum age 18.

2. Certified as an SDI Divemaster (equivalent ratings from other agencies are not accepted for this TDI Divemaster prerequisite) Must have all current SDI Divemaster materials.
3. Current certification as First Response Adult and Child Emergency Care Provider or equivalent and Oxygen Administration Provider or equivalent (where allowed by local law).
4. Have a current medical examination.
5. Provide proof of 50 logged dives.
6. Certified as a technical diver.

3.6 Course Structure and Duration

Open Water Execution:

1. Four dives are required with a minimum accumulated bottom time of 100 minutes.

Course Structure:

1. TDI allows instructors to structure courses according to the number of students participating and their skill level.

Duration:

1. The minimum number of classroom and briefing hours is 10.

3.7 Administrative Requirements

Administrative Tasks:

1. Collect the course fees from all the students.
2. Ensure that the students have the required equipment.
3. Communicate the schedule to the students.
4. Have the students complete the:
 - a. *TDI Liability Release and Express Assumption of Risk Form*
 - b. *TDI Medical Statement Form*

Upon successful completion of the course the instructor must:

1. Issue *the TDI Divemaster* certification by submitting the TDI Divemaster application to TDI Headquarters.

3.8 *Training Material*

Required Material:

TDI course specific user manuals.

3.9 *Required Equipment*

The minimum equipment requirements for training by an instructor, divemaster and student are as follows:

1. Mask and fins.
2. Buoyancy compensator device (BCD) with low-pressure power inflator.
3. Regulator with submersible pressure gauge; students wearing air integrated hose-less computers are not required to carry a separate submersible pressure gauge.
4. Alternate air source.
5. Weight system and/or weights.
6. Personal dive computer.
7. Exposure suit adequate for the training conditions.
8. Compressed gas cylinder.
9. Compass.
10. Knife and rescue signal.
11. A dive flag is required on all open water training dives unless otherwise specified by local laws or regulations.
12. Extra equipment associated with the particular technical diving activity they are participating in.

3.10 *Required Subject Areas*

Instructor must use the current TDI Standards and Procedures but may also use any additional text or materials that they may feel help present these topics.

The following topics must be covered during this course:

1. Knowledge Development:
 - a. Recreational dive leader.
 - b. Diving physics.

- c. Diving physiology.
- d. Diving equipment.
- e. Personal dive skills.
- f. Professional skills.

3.11 *Required Skill Performance and Graduation Requirements*

Divemaster Performance Requirements:

1. Must give a minimum of 2 briefs/debriefs.
2. Show preparation, planning, and control in dive management and technical diving activities.
3. Four open water dives. Training dives must not exceed the divemaster candidate's current experience.
4. Upon successful completion of the dives, students must complete their logbooks and the instructor must sign off on the completed dives.
5. Students must demonstrate all the skills required in TDI course standards at the highest technical diver level held at divemaster quality in leadership level equipment.

In order to complete this course, students must:

1. Satisfactorily complete the TDI written examination for the highest technical diver rating held.
2. Complete all water requirements.
3. Demonstrate mature and sound judgment concerning dive planning and execution.